



Workshop

Interoperability in Pathology Communications

Klaus Veil
Member - HL7 Board
Chair HL7 Australia & Standards Australia IT14-6-3

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Interoperability in Pathology Communications 1

Our Program today

Introduction - History - Issues - Updates

Workshop 1: User Requirements and Issues
11:15 Morning tea

Experience Report - IHE (*Charles Parisot*)
12:30 Lunch

Workshop 2: Implementing Gateways ...
Progress Review (*Charles Parisot*)

Next Steps ...
4:00pm Refreshments

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Overview

- History of Pathology Communications
- Pathology Communications Standards
- Updates

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Pathology Messaging History (1)

- 1991/92: Pathology Information Group formed
- End 1992: A print-file-like format is developed by 2 labs (QML & S&N).
- 1993: PIT-based electronic pathology result exchange commences
 - one diskette per day, by courier, encrypted, virus-checked...
- 1995: HIC'95 "Lunch Meeting"
 - Concerns that Australia is locked into EDIFACT standard...
- January 31, 1996: Expressions of Interest

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Pathology Messaging History (2)

- March 11, 1996: 1st IT14-06-05 Meeting
 - "Determine whether ... EDIFACT .. Laboratory Messaging is applicable across the Australian Health System."
 - "Ensure that ... pathology messaging is consistent with the HL7 ... data element mapping."
- PIT ↔ EDIFACT ↔ HL7
 - Strict scoring methodology was applied
 - HL7 obtained the highest score
 - Industry committed use HL7

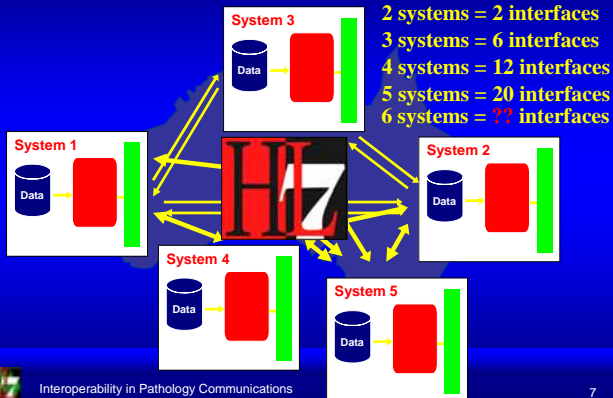
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Pathology Messaging History (3)

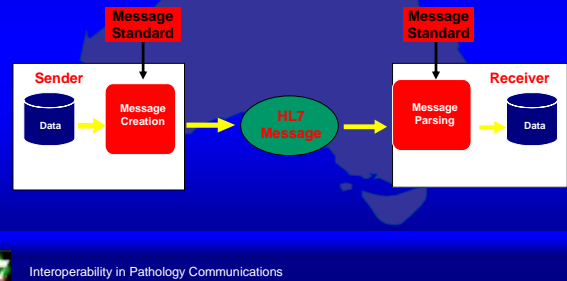
- 1997: Standards Australia → HL7 Affiliate
- 1998: First Australian Standards published
 - AS4700.1 Patient Administration
 - AS4700.2 Pathology Orders and Reporting
- 2000: 1st supplemental standard
 - AS4700.4 - Results for notification and registries
- 2002: 1st Implementation Handbook
 - HB262 – Pathology Electronic Messaging

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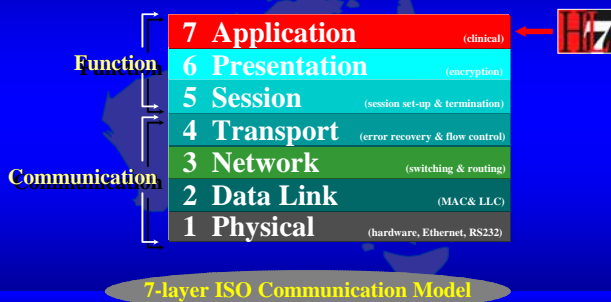
Why Communication Standards?



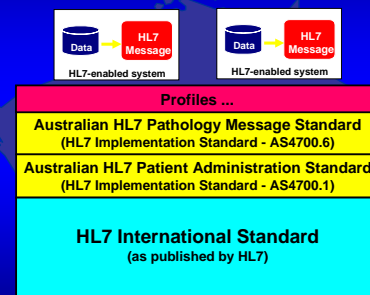
How does Messaging work?



The Components of Communications



Structure of HL7 Standards in Australia



SAI HL7 Technical Committees

- Patient Administration Messaging (IT-014-06-03)
"AS4700.1" HL7 Patient Administration Messages
 - Drug Prescription Messaging (IT-014-06-04)
"AS4700.3" HL7 Prescription Messages
"AS4700.5" HL7 Immunisation Messages
 - Pathology Messaging (IT-014-06-05)
"AS4700.2" HL7 Pathology Order & Reports Messages
"HB262" Pathology HL7 Messages Handbook
"AS4700.4" HL7 Registry Messages
 - Collaborative Care Messaging (IT-014-06-06)
"AS4700.6" HL7 Discharge & Referral Messages
 - Telehealth Messaging (IT-014-06-07)
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Recent progress

- 2003-04 GPCG Messaging Systems Evaluation" project
 - Main communication products & services are mature
 - Interconnection is an issue
 - HL7 Australia Conference, Brisbane, July 2004
 - General recognition that interconnection is a challenge
 - Commitment to address the issue ...
 - Workshop today ...
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